CLAIMS

The subject matter claimed is:

1. A method for preparing an article of manufacture comprising a stent and a coating disposed thereon, the coating comprising a first layer and a second layer, the first layer comprising a polymer film with a biologically active agent dispersed therein, and the second layer comprising an antithrombogenic heparinized polymer, the method comprising:

cleaning the stent with a washing agent,

preparing the first layer by combining the polymer and biologically active agent with a solvent, thereby forming a polymer and biologically active agent mixture and applying the mixture to the stent,

preparing the second layer by combining the hydrophobic heparinized polymer with a solvent and applying the second layer by immersing the stent in the hydrophobic heparinized polymer and solvent solution and then drying the stent.

2. The method of claim 1 further comprising adding a second biologically active agent to the polymer and biologically active agent mixture.

3. The method of claim 1 wherein applying the first layer coating comprises dipping the stent into the polymer and biologically active agent mixture.

4. The method of claim 1 wherein applying the first layer coating comprises spraying the polymer and biologically active agent mixture onto the stent.

5. A method for preventing burst release of a biologically active agent dispersed in a thin film polymer layer on a stent comprising applying a second layer over the first layer; said second layer being comprised of a hydrophobic heparinized polymer.

6. A method for inhibiting thrombosis in a medical device having a surface in contact with an organic fluid comprising coating the surface of the medical device with an antithrombogenic heparinized polymer layer.

7. The method of claim 6 further comprising applying a lowermost coating, said lowermost coating disposed under the hydrophobic heparinized polymer layer and comprising an polymer having a biologically active agent dispersed therein.